

Name(s) of Risk Team Members: J. Young, L. Campione, J. Scott & P. Bergh				Point Value → Parameter ↓		1		2		3		4		5			
Job Title: Radiation/contamination work, building 911 & 919				Frequency (B)		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift			
Job Number or Job Identifier: JRA 7-06																	
Job Description: Survey/transfer 55 gallon drum of vacuum oil from bldg. 911 vacuum lab. to bldg. 919 waste accumulation area.				Severity (C)		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability			
Training and Procedures List (optional):				Likelihood (D)		Extremely Unlikely		Unlikely		Possible		Probable		Multiple			
Approved by: E. Lessard                      Date: 5/5/2006                      Rev. #: 0																	
Stressors (if applicable, please list all):				Reason for Revision (if applicable):						Comments:							
				Before Additional Controls									After Additional Controls				
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
Survey 55 gallon drum	Radiation	Dose rate survey, Radioactive Waste Control Form, Labeling, Postings, TLD, radiological procedures, training.	N	2	2	1	1	4									
Survey 55 gallon drum	Contamination	Contamination survey, sample analysis of oil, radiological procedures, labeling, postings, TLD, training.	N	2	2	1	1	4									
Load 55 gallon onto truck	Lifting, rigging	BNL onsite Transfer/Safety Assessment, use of the genie lift, use of the truck lift gate, properly secure drum in truck bed, work gloves, briefing, safety glasses.	N	1	2	2	1	4									
Transport drum to building 919	Traffic accident	BNL onsite Transfer/Safety Assessment, Licensed drivers, traffic rules, traffic rule enforcement, drive slowly, seat belts, vehicle inspection and maintenance, briefing.	N	2	2	2	1	8									
Unload barrel from truck	Lifting, rigging	BNL Onsite Transfer/Safety Assessment, truck lift gate, barrel cart, briefing, gloves, safety glasses.	N	1	2	2	1	4									

Move drum to 919 accumulation area	Lifting, rigging, spills, radiation, contamination	Barrel cart, work gloves, safety glasses, secondary spill containment, radiation surveys, contamination surveys, survey bottom of drums when barrel cart in rest position, radiological PPE, TLD, frisking, labeling, postings, Radioactive Waste Accumulation Area Basic Rules posting, procedures, training.	N	2	2	2	1	8								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20	21 to 40	41-60			61 to 80			81 or greater							
	Negligible	Acceptable	Moderate			Substantial			Intolerable							